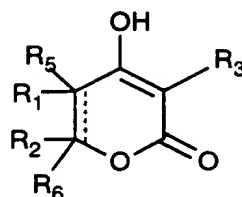


CLAIMS

1. A compound of the formula I



I

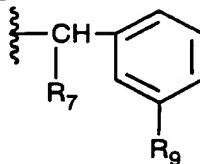
wherein R_1 is H-;

10 wherein R_2 is

- a) C_3-C_5 alkyl,
- b) phenyl- $(CH_2)_2$ -,
- c) het-SO₂NH- $(CH_2)_2$ -,
- d) cyclopropyl- $(CH_2)_2$ -,
- 15 e) F-phenyl- $(CH_2)_2$ -,
- f) het-SO₂NH-phenyl-, or
- g) $F_3C-(CH_2)_2$ -

or wherein R_1 and R_2 taken together are a double bond;
 wherein R_3 is the moiety of formula X

20



X

25 wherein R_4 is

- a) phenyl,
- b) het,
- c) cyclopropyl,
- d) $H_3C-[O(CH_2)_2]_2$ -,
- 30 e) het-SO₂NH-,
- f) Br-,
- g) N_3 -, or
- h) $HO_3S(CH_2)_2-N(CH_3)-C(O)-(CH_2)_6-C(O)-NH$ -;

wherein R_5 is -H;

35 wherein R_6 is

- 5 a) $R_4-(CH_2)_n-CH(R_8)-$,
 b) $H_3C-[O(CH_2)_2]_2-CH_2-$,
 c) C_3-C_5 alkyl,
 d) phenyl- $(CH_2)_2-$,
 e) het- $SO_2NH-(CH_2)_2-$,
 f) $(HOCH_2)_3C-NH-C(O)-NH-(CH_2)_3-$,
 g) $(HO_2C)(H_2N)CH-(CH_2)_2-C(O)-NH-(CH_2)_3-$,
 h) piperazin-1-yl- $C(O)-NH-(CH_2)_3$,
 i) $HO_3S(CH_2)_2-N(CH_3)-C(O)-(CH_2)_6-C(O)-NH-(CH_2)_3-$,
 10 j) cyclopropyl- $(CH_2)_2-$,
 k) F-phenyl- $(CH_2)_2-$,
 l) het- SO_2NH -phenyl, or
 m) $F_3C-(CH_2)_2-$;

wherein n is zero (0), one (1) or two (2);

15 wherein R_7 is

- a) cyclopropyl,
 b) CH_3-CH_2- , or
 c) t-butyl;

wherein R_8 is

- 20 a) $-CH_2-CH_3$, or
 b) $-CH_2$ -cyclopropyl;

wherein R_9 is

- a) $-NR_{12}SO_2$ -het,
 b) $-NR_{12}SO_2$ -phenyl substituted by zero (0) or one (1) R_{11} ,
 25 c) $-CH_2-SO_2$ -phenyl substituted by zero (0) or one (1) R_{11} , or
 d) $-CH_2-SO_2$ -het;

wherein het is a 5-, 6- or 7-membered saturated or unsaturated ring containing from one (1) to three (3) heteroatoms selected from the group consisting of nitrogen, oxygen and sulfur; and including any bicyclic group in which any of the above
 30 heterocyclic rings is fused to a benzene ring or another heterocycle; substituted by zero (0) or one (1) R_{10} ;

wherein R_{10} is

- a) $-CH_3$,
 b) $-CN$,
 35 c) $-OH$,

- d) $-\text{C}(\text{O})\text{OC}_2\text{H}_5$,
- e) $-\text{CF}_3$,
- f) $-\text{NH}_2$, or
- g) $-\text{C}(\text{O})\text{NH}_2$;

5 wherein R_{11} is

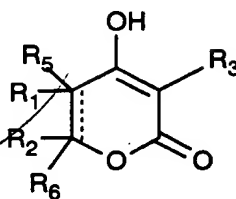
- a) $-\text{CN}$,
- b) $-\text{F}$,
- c) $-\text{OH}$, or
- d) $-\text{NO}_2$;

10 wherein R_{12} is

- a) $-\text{H}$, or
- b) $-\text{CH}_3$;

or a pharmaceutically acceptable salt thereof.

15 2. The compound of claim 1 of the formula I



I

20

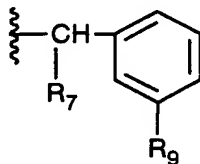
wherein R_1 is H-;

wherein R_2 is

- a) $\text{C}_3\text{-C}_5$ alkyl,
- 25 b) phenyl- $(\text{CH}_2)_2$ -, or
- c) het- $\text{SO}_2\text{NH}(\text{CH}_2)_2$;

or wherein R_1 and R_2 taken together are a double bond;

wherein R_3 is the moiety of formula X



X

30

wherein R_4 is

- 35 a) phenyl,

- 5 b) het,
 c) cyclopropyl,
 d) $\text{H}_3\text{C}-[\text{O}(\text{CH}_2)_2]_2-$,
 e) $\text{het-SO}_2\text{NH}-$,
 f) $\text{Br}-$,
 g) N_3- , or
 h) $\text{HO}_3\text{S}(\text{CH}_2)_2-\text{N}(\text{CH}_3)-\text{C}(\text{O})-(\text{CH}_2)_6-\text{C}(\text{O})-\text{NH}-$;

wherein R_5 is $-\text{H}$;

wherein R_6 is

- 10 a) $\text{R}_4-(\text{CH}_2)_n-\text{CH}(\text{R}_8)-$,
 b) $\text{H}_3\text{C}-[\text{O}(\text{CH}_2)_2]_2-\text{CH}_2-$,
 c) C_3-C_5 alkyl,
 d) phenyl- $(\text{CH}_2)_2-$,
 e) $\text{het-SO}_2\text{NH}-(\text{CH}_2)_2-$,
 15 f) $(\text{HOCH}_2)_3\text{C}-\text{NH}-\text{C}(\text{O})-\text{NH}-(\text{CH}_2)_3-$,
 g) $(\text{HO}_2\text{C})(\text{H}_2\text{N})\text{CH}-(\text{CH}_2)_2-\text{C}(\text{O})-\text{NH}-(\text{CH}_2)_3-$,
 h) piperazin-1-yl- $\text{C}(\text{O})-\text{NH}-(\text{CH}_2)_3$, or
 i) $\text{HO}_3\text{S}(\text{CH}_2)_2-\text{N}(\text{CH}_3)-\text{C}(\text{O})-(\text{CH}_2)_6-\text{C}(\text{O})-\text{NH}-(\text{CH}_2)_3-$;

wherein n is zero (0), one (1) or two (2);

20 wherein R_7 is

- a) cyclopropyl,
 b) CH_3-CH_2- , or
 c) t -butyl;

wherein R_8 is

- 25 a) $-\text{CH}_2-\text{CH}_3$, or
 b) $-\text{CH}_2$ -cyclopropyl;

wherein R_9 is

- a) $-\text{NR}_{12}\text{SO}_2$ -het,
 b) $-\text{NR}_{12}\text{SO}_2$ -phenyl substituted by zero (0) or one (1) R_{11} ,
 30 c) $-\text{CH}_2-\text{SO}_2$ -phenyl substituted by zero (0) or one (1) R_{11} , or
 d) $-\text{CH}_2-\text{SO}_2$ -het;

wherein het is a 5-, 6- or 7-membered saturated or unsaturated ring containing from one (1) to three (3) heteroatoms selected from the group consisting of nitrogen, oxygen and sulfur; and including any bicyclic group in which any of the above
 35 heterocyclic rings is fused to a benzene ring or another heterocycle; substituted by

zero (0) or one (1) R₁₀;

wherein R₁₀ is

- a) -CH₃,
- b) -CN,
- c) -OH, or
- d) -C(O)OC₂H₅;

wherein R₁₁ is

- a) -CN,
- b) -F,
- c) -OH, or
- d) -NO₂;

wherein R₁₂ is

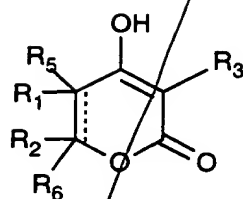
- a) -H, or
- b) -CH₃;

or a pharmaceutically acceptable salt thereof.

3. The compound of claim 2 wherein het is the following, substituted by zero (0) or one (1) R₁₀,

- a) 2-pyridinyl,
- b) imidazol-2-yl,
- c) imidazol-4-yl,
- d) benzimidazol-2-yl,
- e) quinolin-8-yl,
- f) quinolin-2-yl,
- g) pyrimidin-2-yl,
- h) quinazolin-2-yl,
- i) purin-6-yl,
- j) thiazol-2-yl,
- k) thiazol-4-yl,
- l) 2-pyrazolyl,
- m) 2-pyrazinyl,
- n) tetrahydropyran-4-yl, or
- o) tetrahydropyran-3-yl.

4. The compound of claim 3 of the formula I



I

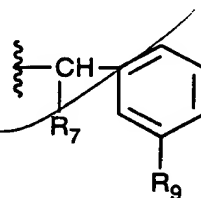
wherein R_1 is H-;

wherein R_2 is

- a) $H_3C-(CH_2)_2-$,
- b) phenyl- $(CH_2)_2-$,
- c) $(CH_3)_2CH-CH_2-$, or
- d) pentyl;

or wherein R_1 and R_2 taken together are a double bond;

wherein R_3 is the moiety of formula X)



X

wherein R_4 is

- a) phenyl,
- b) het,
- c) cyclopropyl,
- d) $H_3C-[O(CH_2)_2]_2-$,
- e) het- SO_2NH- ,
- f) Br-,
- g) N_3- , or
- h) $HO_3S(CH_2)_2-N(CH_3)-C(O)-(CH_2)_6-C(O)-NH-$;

wherein R_5 is -H;

wherein R_6 is

- a) $R_4-(CH_2)_n-CH(R_8)-$,
- b) $H_3C-[O(CH_2)_2]_2-CH_2-$,
- c) $H_3C-(CH_2)_2-$,
- d) phenyl- $(CH_2)_2-$,

e) $(\text{CH}_3)_2\text{CH}-\text{CH}_2-$, or

f) pentyl;

wherein n is zero (0), one (1) or two (2);

wherein R_7 is

5 a) cyclopropyl, or

b) CH_3-CH_2- ;

wherein R_8 is

a) $-\text{CH}_2-\text{CH}_3$, or

b) $-\text{CH}_2$ -cyclopropyl;

10 wherein R_9 is

a) $-\text{NHSO}_2$ -het, or

b) $-\text{NHSO}_2$ -phenyl substituted by zero (0) or one (1) R_{11} ;

wherein het is the following, substituted by zero (0) or one (1) R_{10} ,

a) 2-pyridinyl,

15 b) imidazol-2-yl,

c) imidazol-4-yl,

d) quinolin-8-yl,

e) tetrahydropyran-4-yl,

f) tetrahydropyran-3-yl, or

20 g) benzimidazol-2-yl;

wherein R_{10} is

a) $-\text{CH}_3$;

wherein R_{11} is

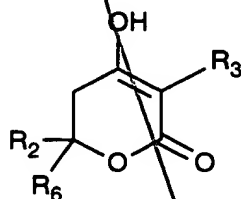
a) $-\text{CN}$,

25 b) $-\text{F}$ or

c) $-\text{NO}_2$;

or a pharmaceutically acceptable salt thereof.

5. The compound of claim 4 of the formula VI

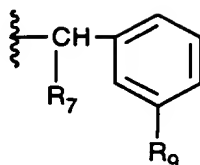


VI

wherein R_2 is

- a) $H_3C-(CH_2)_2-$,
- b) phenyl- $(CH_2)_2-$,
- c) $(CH_3)_2CH-CH_2-$, or
- d) pentyl;

wherein R_3 is the moiety of formula X



X

wherein R_6 is

- a) $H_3C-(CH_2)_2-$,
- b) phenyl- $(CH_2)_2-$,
- c) $(CH_3)_2CH-CH_2-$, or
- d) pentyl;

wherein R_7 is

- a) CH_3-CH_2- , or
- b) cyclopropyl;

wherein R_9 is

- a) $-NHSO_2$ -phenyl substituted by one (1) R_{11} , or
- b) $-NHSO_2$ -het;

wherein het is the following, substituted by zero (0) or one (1) R_{10} ,

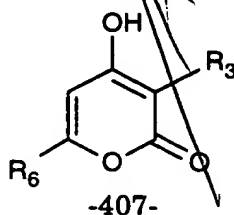
- a) imidazol-4-yl, or
- b) quinolin-8-yl;

wherein R_{10} is $-CH_3$;

wherein R_{11} is

- a) $-CN$, or
- b) $-F$.

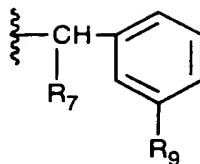
6. The compound of claim 4 of the formula VII



VII

wherein R_3 is the moiety of formula X

5



X

wherein R_4 is

- a) phenyl,
- 10 b) het,
- c) cyclopropyl,
- d) $H_3C-[O(CH_2)_2]_2-$,
- e) $het-SO_2NH-$,
- f) $Br-$,
- 15 g) N_3- , or
- h) $HO_3S(CH_2)_2-N(CH_3)-C(O)-(CH_2)_6-C(O)-NH-$;

wherein R_6 is

- a) $R_4-(CH_2)_n-CH(R_8)-$, or
- b) $H_3C-[O(CH_2)_2]_2-CH_2-$;
- 20 wherein R_7 is cyclopropyl;

wherein R_8 is

- a) $-CH_2-CH_3$, or
- b) $-CH_2$ -cyclopropyl;

wherein R_9 is

- 25 a) $-NHSO_2$ -het, or
- b) $-NHSO_2$ -phenyl substituted by one (1) R_{11} ;

wherein n is zero (0), one (1) or two (2);

wherein het is the following, substituted by zero (0) or one (1) R_{10} .

- a) imidazol-4-yl,
- 30 b) imidazol-2-yl,
- c) quinolin-8-yl,
- d) tetrahydropyran-3-yl,
- e) tetrahydropyran-4-yl,
- f) 2-pyridinyl, or
- 35 g) benzimidazol-2-yl;

wherein R₁₀ is -CH₃;

wherein R₁₁ is

a) -NO₂,

b) -F, or

5 c) -CN;

or a pharmaceutically acceptable salt thereof.

7. The compound of claim 2 selected from the group consisting of:

3-[cyclopropyl[3-[(4-cyanophenylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-(2-phenylethyl)-6-(1-propyl)-5,6-dihydro-2H-pyran-2-one;

3-[cyclopropyl[3-[(2-pyridinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-(2-phenylethyl)-6-(1-propyl)-5,6-dihydro-2H-pyran-2-one;

3-[cyclopropyl[3-[(1-methyl-4-imidazolylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-(2-phenylethyl)-6-(1-propyl)-5,6-dihydro-2H-pyran-2-one;

15 3-[cyclopropyl[3-[(5-cyano-2-pyridinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-(2-phenylethyl)-6-(1-propyl)-5,6-dihydro-2H-pyran-2-one;

3-[cyclopropyl[3-[(2-benzimidazolylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-(2-phenylethyl)-6-(1-propyl)-5,6-dihydro-2H-pyran-2-one;

20 3-[cyclopropyl[3-[(2-quinolinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-(2-phenylethyl)-6-(1-propyl)-5,6-dihydro-2H-pyran-2-one;

4-Cyano-N-[3-[1-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;

N-[3-[1-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

25 N-[3-[1-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-8-quinolinesulfonamide;

N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-8-quinolinesulfonamide;

30 N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazolesulfonamide;

4-Fluoro-N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;

4-Cyano-N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;

35 N-[3-[1-(4-hydroxy-6,6-diisobutyl-2-oxo-5,6-dihydro-2H-pyran-3-yl)-propyl]-

phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-1-methyl-1H-imidazolesulfonamide;

5 N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-8-quinolinesulfonamide;

4-Cyano-N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-benzenesulfonamide;

4-Fluoro-N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-benzenesulfonamide;

10 (*R or S*)-N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-8-quinolinesulfonamide;

(*R or S*)-N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

15 (*S or R*)-N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-8-quinolinesulfonamide;

(*S or R*)-N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

(*R or S*)-N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

20 (*S or R*)-N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

4-Cyano-N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-benzenesulfonamide;

25 4-Fluoro-N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-benzenesulfonamide;

N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-8-quinolinesulfonamide;

N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

30 N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipentyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

35 4-Cyano-N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipentyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;

- N-[3-[1(*R* or *S*)-(6(*R* or *S*)-4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- N-[3-[1(*R* or *S*)-(6(*S* or *R*)-4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- 5 N-[3-[1(*S* or *R*)-(6(*R* or *S*)-4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- N-[3-[1(*S* or *R*)-(6(*S* or *R*)-4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- 10 N-[3-[*t*-Butyl-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-methyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- 4-Cyano-N-[3-[*t*-butyl-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-methyl]-phenyl]-benzenesulfonamide;
- 4-Fluoro-N-[3-[*t*-butyl-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-methyl]-phenyl]-benzenesulfonamide;
- 15 N-[3-[*t*-Butyl-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-methyl]-phenyl]-8-quinolinesulfonamide;
- N-[3-[1-(6-(2-(1-Methyl-1H-imidazole-4-sulfonylamino)-ethyl)-4-hydroxy-2-oxo-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- 20 N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-pyridinesulfonamide;
- 4-Cyano-N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-pyridinesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-quinolinesulfonamide;
- 25 2-Hydroxy-N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-pyrimidinesulfonamide;
- 30 N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-quinazolinesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-7H-purine-6-sulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1H-imidazole-2-sulfonamide;
- 35

- N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1H-benzimidazole-2-sulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-thiazole-4-sulfonamide;
- 5 N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-pyridinesulfonamide;
- 4-Cyano-N-[3-[1-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-pyridinesulfonamide;
- 10 N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-quinolinesulfonamide;
- 2-Hydroxy-N-[3-[1-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-pyrimidinesulfonamide;
- 15 N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-quinazolinesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-7H-purine-6-sulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1H-imidazole-2-sulfonamide;
- 20 N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1H-benzimidazole-2-sulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-thiazole-4-sulfonamide;
- 25 4-Fluoro-N-[3-[1-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;
- 5-cyano-N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-2-pyridinesulfonamide;
- N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-2-quinolinesulfonamide;
- 30 N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-2-imidazolesulfonamide;
- N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-2-pyrimidinesulfonamide;
- 35 N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-

phenyl]-N-methyl-2-benzimidazolesulfonamide;

N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-2-quinazolinesulfonamide;

5 N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-6-purinesulfonamide;

N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-4-thiazolesulfonamide;

N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-2-pyridinesulfonamide;

10 N-[3-(1-[5,6-Dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3-(1(S)-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

15 N-[3-(1(R)-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3-(1(S)-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3-(1(R)-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

20 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide;

25 5-Cyano-N-[3-(1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide;

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6-phenethyl-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide; and

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide.

30

8. The compound of claim 2 selected from the group consisting of:

3-[cyclopropyl[3-[(4-cyanophenylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-[1-(phenylmethyl)propyl]-2H-pyran-2-one;

35 3-[cyclopropyl[3-[(2-pyridinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-[1-(phenylmethyl)propyl]-2H-pyran-2-one;

- 3-[cyclopropyl[3-[(1-methyl-4-imidazolylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-[1-(phenylmethyl)propyl]-2H-pyran-2-one;
- 3-[cyclopropyl[3-[(5-cyano-2-pyridinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-[1-(phenylmethyl)propyl]-2H-pyran-2-one;
- 5 3-[cyclopropyl[3-[(2-benzimidazolylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-[1-(phenylmethyl)propyl]-2H-pyran-2-one;
- 3-[cyclopropyl[3-[(2-quinolinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-[1-(phenylmethyl)propyl]-2H-pyran-2-one;
- 10 N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-4-fluoro-benzenesulfonamide;
- 4-Cyano-N-(3-{cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-benzenesulfonamide;
- N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-8-quinolinesulfonamide;
- 15 N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- (*R* or *S*)-N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- (*R* or *S*)-N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- 20 N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;
- N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;
- 25 N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-benzoimidazole-2-sulfonamide;
- N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-imidazole-2-sulfonamide;
- N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-quinolinesulfonamide;
- 30 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-{2-methoxy-ethoxy}-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- N-(3-{Cyclopropyl-[6-(1-ethyl-3-{2-methoxy-ethoxy}-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- 35 4-Cyano-N-(3-{cyclopropyl-[6-(1-ethyl-3-{2-methoxy-ethoxy}-propyl)-4-hydroxy-

2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-benzenesulfonamide;

N-(3-{Cyclopropyl-[6-(1-ethyl-3-{1-methyl-1H-imidazole-4-sulfonylamino}-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

5 N-(3-[[6-(3-Bromo-1-ethyl-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-cyclopropyl-methyl)-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

N-(3-[[6-(3-Azido-1-ethyl-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-cyclopropyl-methyl)-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

10 2-[[8-[[3-[3-[Cyclopropyl[3-[[1-methyl-1H-imidazol-4-yl)sulfonyl]amino]phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]pentyl]amino]-1,8-dioxooctyl]methylamino]-ethane sulfonic acid, monosodium salt;

N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis(hydroxymethyl)-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-benzenesulfonamide;

15 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis(hydroxymethyl)-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-2-pyridinesulfonamide;

20 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis(hydroxymethyl)-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1H-imidazole-2-sulfonamide;

N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis(hydroxymethyl)-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1H-benzoimidazole-2-sulfonamide;

25 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis(hydroxymethyl)-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis(hydroxymethyl)-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;

30 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-(γ-L-glutamyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-benzenesulfonamide;

N-(3-{Cyclopropyl-[4-hydroxy-6-(3-(γ-L-glutamyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-2-pyridinesulfonamide;

35 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-(γ-L-glutamyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1H-imidazole-sulfonamide;

N-(3-(Cyclopropyl-[4-hydroxy-6-(3-(γ -L-glutamyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1H-benzoimidazole-sulfonamide;

N-(3-(Cyclopropyl-[4-hydroxy-6-(3-(γ -L-glutamyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

5 N-(3-(Cyclopropyl-[4-hydroxy-6-(3-(γ -L-glutamyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;

N-(3-(Cyclopropyl-[4-hydroxy-6-(3-[[piperazin-1-yl]-carbonyl]-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-benzenesulfonamide;

10 N-(3-(Cyclopropyl-[4-hydroxy-6-(3-[[piperazin-1-yl]-carbonyl]-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-2-pyridinesulfonamide;

N-(3-(Cyclopropyl-[4-hydroxy-6-(3-[[piperazin-1-yl]-carbonyl]-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1H-imidazole-2-sulfonamide;

N-(3-(Cyclopropyl-[4-hydroxy-6-(3-[[piperazin-1-yl]-carbonyl]-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1H-benzoimidazole-2-sulfonamide;

15 N-(3-(Cyclopropyl-[4-hydroxy-6-(3-[[piperazin-1-yl]-carbonyl]-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

N-(3-(Cyclopropyl-[4-hydroxy-6-(3-[[piperazin-1-yl]-carbonyl]-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;

20 2-[[8-[[3-[3-[Cyclopropyl[3-[[phenylsulfonyl]amino]phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]propyl]amino]-1,8-dioxooctyl]methylamino]-ethanesulfonic acid, monosodium salt;

2-[[8-[[3-[3-[Cyclopropyl[3-[(2-pyridyl)sulfonyl]amino]phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]propyl]amino]-1,8-dioxooctyl]methylamino]-ethane sulfonic acid, monosodium salt;

25 2-[[8-[[3-[3-[Cyclopropyl[3-[(1H-benzimidazol-2-yl)sulfonyl]amino]phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]propyl]amino]-1,8-dioxooctyl]methylamino]-ethanesulfonic acid, monosodium salt;

2-[[8-[[3-[3-[Cyclopropyl[3-[(1H-imidazol-2-yl)sulfonyl]amino]phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]propyl]amino]-1,8-dioxooctyl]methylamino]-ethane sulfonic acid, monosodium salt;

30 2-[[8-[[3-[3-[Cyclopropyl[3-[(1-methyl-1H-imidazol-4-yl)sulfonyl]amino]phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]propyl]amino]-1,8-dioxooctyl]methylamino]-ethanesulfonic acid, monosodium salt;

35 2-[[8-[[3-[3-[Cyclopropyl[3-[(1-methyl-1H-imidazol-2-yl)sulfonyl]amino]phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]propyl]amino]-1,8-

dioxooctyl]methylamino]-ethane sulfonic acid, monosodium salt;

N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

5 N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

N-(3-(R or S)-{Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

N-(3-(R or S)-{Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

10 N-(3-(R or S)-{Cyclopropyl-[6-(1-(S)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

N-(3-(R or S)-{Cyclopropyl-[6-(1-(S)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

15 N-(3-(R or S)-{Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;

N-(3-(R or S)-{Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;

N-(3-(R or S)-{Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;

20 N-(3-(R or S)-{Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;

N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;

25 N-(3-[Cyclopropyl[4-hydroxy-2-oxo-6-[1-[(tetrahydro-2H-pyran-3-yl)methyl]propyl]-2H-pyran-3-yl]methyl]phenyl)-8-quinolinesulfonamide;

N-(3-[Cyclopropyl[4-hydroxy-2-oxo-6-[1-[(tetrahydro-2H-pyran-3-yl)methyl]propyl]-2H-pyran-3-yl]methyl]phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

30 N-(3-{Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-benzimidazole-2-sulfonamide;

N-(3-{Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-imidazole-2-sulfonamide;

N-(3-(R or S)-{Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-4-cyanobenzenesulfonamide;

35 N-(3-(R or S)-{Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-

pyran-3-yl]-methyl]-phenyl)-4-cyanobenzenesulfonamide;

N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-4-nitrobenzenesulfonamide;

5 N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-2-pyridinesulfonamide;

N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-4-cyano-2-pyridinesulfonamide;

N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-2-quinolinesulfonamide;

10 N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-2-hydroxybenzenesulfonamide;

N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-2-pyrazolesulfonamide;

15 N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-2-quinazolinesulfonamide;

N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-7H-purine-6-sulfonamide;

N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-1H-imidazole-2-sulfonamide;

20 N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-benzimidazole-2-sulfonamide;

N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-thiazole-4-sulfonamide;

25 N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-4-ethoxycarbonyl-1H-imidazole-2-sulfonamide;

N-(3-{Cyclopropyl-[6-(1-(tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-3-hydroxy-2-pyridinesulfonamide;

N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-2-pyridinesulfonamide;

30 N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-4-cyano-2-pyridinesulfonamide;

N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-2-quinolinesulfonamide;

35 N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl]-phenyl)-2-hydroxybenzenesulfonamide;

N-(3-(Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-2-pyrazolesulfonamide;

N-(3-(Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-2-quinazolinesulfonamide;

5 N-(3-(Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-7H-purine-6-sulfonamide;

N-(3-(Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1H-imidazole-2-sulfonamide;

10 N-(3-(Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-benzimidazole-2-sulfonamide;

N-(3-(Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-thiazole-4-sulfonamide;

N-(3-(Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-4-ethoxycarbonyl-1H-imidazole-2-sulfonamide;

15 N-(3-(Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-3-hydroxy-2-pyridinesulfonamide;

5-cyano-N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-pyridinesulfonamide;

20 N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-quinolinesulfonamide;

N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-imidazolesulfonamide;

N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-pyrimidinesulfonamide;

25 N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-benzimidazolesulfonamide;

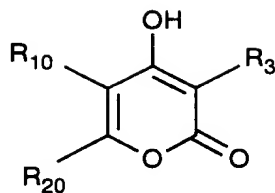
N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-quinazolinesulfonamide;

30 N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-6-purinesulfonamide;

N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-4-thiazolesulfonamide; and

N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-pyridinesulfonamide.

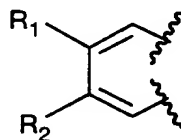
9. A compound of the formula II



II

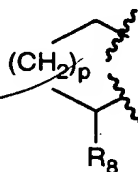
wherein R₁₀ and R₂₀ taken together are

a) the moiety of formula III, or



III

b) the moiety of formula IV;



IV

wherein p is four (4);

wherein R₁ is -H;

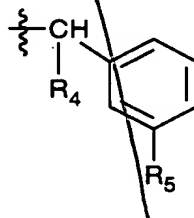
wherein R₂ is

a) H-,

b) CH₃O-, or

c) CH₃O-[(CH₂)₂O]₃-;

wherein R₃ is the moiety of formula V



V

35 wherein R₄ is

- a) cyclopropyl, or
- b) $-\text{CH}_2-\text{CH}(\text{CH}_3)_2$;

wherein R_5 is

- a) $-\text{NR}_9\text{SO}_2$ -phenyl substituted by zero (0) or one (1) R_6 ,
- 5 b) $-\text{NR}_9\text{SO}_2$ -het,
- c) $-\text{CH}_2-\text{SO}_2$ -phenyl substituted by zero (0) or one (1) R_6 , or
- d) $-\text{CH}_2-\text{SO}_2$ -het;

wherein R_6 is

- a) $-\text{CN}$,
- 10 b) $-\text{F}$,
- c) $-\text{CH}_3$,
- d) $-\text{COOH}$, or
- e) $-\text{OH}$;

wherein het is a 5-, 6- or 7-membered saturated or unsaturated ring containing from
15 one (1) to three (3) heteroatoms selected from the group consisting of nitrogen,
oxygen and sulfur; and including any bicyclic group in which any of the above
heterocyclic rings is fused to a benzene ring or another heterocycle; substituted by
zero (0), one (1) or two (2) R_7 ;

wherein R_7 is

- 20 a) $-\text{CH}_3$,
- b) $-\text{CN}$,
- c) $-\text{C}(\text{O})\text{OC}_2\text{H}_5$, or
- d) $-\text{OH}$;

wherein R_8 is

- 25 a) $-\text{H}$,
- b) $-(\text{CH}_2)_2-\text{CH}_3$,
- c) $-\text{CH}_2$ -cyclopropyl, or
- d) $-\text{CH}_2$ -phenyl;

wherein R_9 is

- 30 a) $-\text{H}$, or
- b) $-\text{CH}_3$;

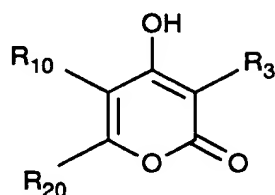
or a pharmaceutically acceptable salt thereof.

10. A compound of claim 9 wherein het is the following, substituted by zero (0) or
35 one (1) R_7 ,

- 5
- a) 2-pyridinyl,
b) 4-pyridinyl,
c) imidazol-2-yl,
d) imidazol-4-yl,
e) benzimidazol-2-yl,
f) quinolin-8-yl,
g) quinolin-2-yl,
h) pyrimidin-2-yl,
i) quinazolin-2-yl,
10 j) purin-6-yl,
k) thiazol-2-yl,
l) thiazol-4-yl,
m) 2-pyrazolyl,
n) 2-pyrazinyl,
15 o) tetrahydropyran-4-yl, or
p) tetrahydropyran-3-yl.

11. The compound of claim 10 of the formula II

20

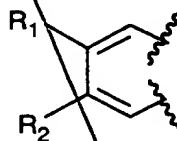


II

25 wherein R₁₀ and R₂₀ taken together are

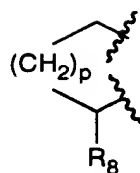
- a) the moiety of formula III, or

30



III

b) the moiety of formula IV;



IV

5

wherein p is four (4);

wherein R_1 is -H;

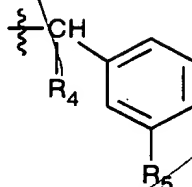
wherein R_2 is

10 a) $\text{CH}_3\text{O}-$, or

b) $\text{CH}_3\text{O}[(\text{CH}_2)_2\text{O}]_3-$;

wherein R_3 is the moiety of formula V

15



V

wherein R_4 is

a) cyclopropyl, or

20 b) $-\text{CH}_2-\text{CH}(\text{CH}_3)_2$;

wherein R_5 is

a) $-\text{NR}_9\text{SO}_2$ -phenyl substituted by zero (0) or one (1) R_6 ,

b) $-\text{NR}_9\text{SO}_2$ -het,

c) $-\text{CH}_2-\text{SO}_2$ -phenyl substituted by zero (0) or one (1) R_6 , or

25 d) $-\text{CH}_2-\text{SO}_2$ -het;

wherein R_6 is

a) -CN,

b) -F,

c) $-\text{CH}_3$, or

30 d) $-\text{COOH}$;

wherein het is the following, substituted by zero (0) or one (1) R_7 ,

a) imidazol-4-yl,

b) quinolin-8-yl,

c) 2-pyridinyl, or

35 d) 4-pyridinyl;

wherein R_7 is $-\text{CH}_3$;

wherein R_8 is

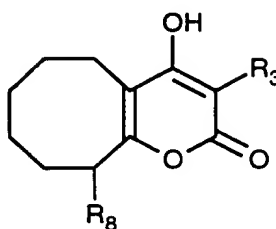
- a) $-\text{H}$, or
- b) $-(\text{CH}_2)_2-\text{CH}_3$;

5 wherein R_9 is

- a) $-\text{H}$, or
- b) $-\text{CH}_3$;

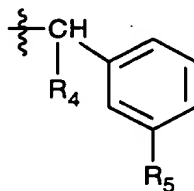
or a pharmaceutically acceptable salt thereof.

10 12. The compound of claim 11 of the formula VIII



VIII

15 wherein R_3 is the moiety of formula V



V

wherein R_4 is

- 25 a) cyclopropyl,
- b) $-\text{CH}_2-\text{CH}(\text{CH}_3)_2$;

wherein R_5 is

- a) $-\text{NR}_9\text{SO}_2$ -phenyl substituted by zero (0) or one (1) R_6 ,
- b) $-\text{NR}_9\text{SO}_2$ -het, or
- 30 c) $-\text{CH}_2-\text{SO}_2$ -phenyl;

wherein R_6 is

- a) $-\text{CN}$, or
- b) $-\text{F}$;

wherein het is the following, substituted by zero (0) or one (1) R_7 ,

- 35 a) 2-pyridinyl,

b) 4-pyridinyl, or

c) imidazol-4-yl;

wherein R_7 is $-\text{CH}_3$;

wherein R_8 is

5 a) $-\text{H}$, or

b) $-(\text{CH}_2)_2\text{CH}_3$;

wherein R_9 is

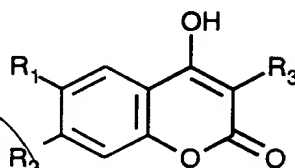
a) $-\text{H}$, or

b) $-\text{CH}_3$;

10 or a pharmaceutically acceptable salt thereof.

13. The compound of claim 11 of the formula IX

15



IX

wherein R_1 is H ;

wherein R_2 is

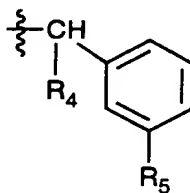
20

a) CH_3O -, or

b) $\text{CH}_3\text{O}[(\text{CH}_2)_2\text{O}]_3$;

wherein R_3 is the moiety of formula V

25



V

wherein R_4 is cyclopropyl;

30 wherein R_5 is $-\text{NHSO}_2\text{-het}$;

wherein het is the following, substituted by zero (0) or one (1) R_7 ,

a) imidazol-4-yl,

b) 2-pyridinyl, or

c) quinolin-8-yl;

35 wherein R_7 is $-\text{CH}_3$.

14. The compound of claim 9 selected from the group consisting of:
 N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-10-propyl-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]benzenesulfonamide;
 4-Cyano-N-[3-(R or S)-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-(R
 5 or S)-10-propyl-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]benzenesulfonamide;
 4-Cyano-N-[3-(R or S)-[cyclopropyl(5,6,7,8,9,10-hexahydro-(R or S)-10-cyclopropylmethyl-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]benzenesulfonamide;
 4-Cyano-N-[3-(R or S)-[cyclopropyl(5,6,7,8,9,10-hexahydro-(R or S)-10-benzyl-
 10 4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]benzenesulfonamide;
 N-[3-(R or S)-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-(R or S)-10-propyl-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
 N-[3-(R or S)-[cyclopropyl(5,6,7,8,9,10-hexahydro-(R or S)-10-cyclopropylmethyl-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
 15 N-[3-(R or S)-[cyclopropyl(5,6,7,8,9,10-hexahydro-(R or S)-10-benzyl-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
 (R or S)-N-[3-1-(5,6,7,8,9,10-Hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)-3-methylbutyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
 (R or S)-N-[3-1-(5,6,7,8,9,10-Hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)-3-methylbutyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
 20 3-[Cyclopropyl[3-[(phenylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-Cycloocta[b]pyran-2-one;
 3-[cyclopropyl[3-[(4-cyanophenylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
 3-[cyclopropyl[3-[(4-fluorophenylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
 30 3-[cyclopropyl[3-[(4-methylphenylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
 3-[cyclopropyl[3-[(4-carboxyphenylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
 3-[cyclopropyl[3-[(2-(1-methylimidazolyl)sulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;

3-[cyclopropyl[3-[(2-pyrimidinylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;

3-[cyclopropyl[3-[(2-pyridinylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;

5 3-[cyclopropyl[3-[(1-methyl-4-imidazolylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;

3-[cyclopropyl[3-[(5-cyano-2-pyridinylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;

10 3-[cyclopropyl[3-[(2-benzimidazolylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;

3-[cyclopropyl[3-[(2-quinolinylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;

Disodium-4-cyano-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-benzenesulfonamide;

15 4-Cyano-N-methyl-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-benzenesulfonamide;

4-Fluoro-N-methyl-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-benzenesulfonamide;

20 N-methyl-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-benzenesulfonamide;

N-methyl-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-1H-Imidazole-1-methyl-sulfonamide;

5-cyano-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-pyridinesulfonamide;

25 N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-quinolinesulfonamide;

N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-imidazolesulfonamide;

30 N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-pyrimidinesulfonamide;

N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-benzimidazolesulfonamide;

N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-quinazolinesulfonamide;

35 N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-

cycloocta[b]pyran-3-yl)methyl]phenyl]-6-purinesulfonamide;

5-cyano-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-2-pyridinesulfonamide;

5 N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-2-quinolinesulfonamide;

N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-2-imidazolesulfonamide;

N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-2-pyrimidinesulfonamide;

10 N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-benzimidazolesulfonamide;

N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-quinazolinesulfonamide;

15 N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-6-purinesulfonamide;

N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-4-thiazolesulfonamide;

N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-2-pyridinesulfonamide;

20 2-Pyridylsulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-;

4-Pyridylsulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-;

25 5-Cyanopyridin-2-yl-sulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-;

2-Pyrazinylsulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-;

2-Pyrimidinylsulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-;

30 4-6-Dimethylpyrimidin-2-yl-sulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-; and

4-Methylpyrimidin-2-yl-sulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-.

35 15. The compound of claim 9 selected from the group consisting of:

3-[cyclopropyl[3-[(4-cyanophenylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-coumarin;

3-[cyclopropyl[3-[(2-pyridinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-coumarin;

5 3-[cyclopropyl[3-[(1-methyl-4-imidazolylsulfonyl)methyl]phenyl] methyl]-4-hydroxy-coumarin;

3-[cyclopropyl[3-[(5-cyano-2-pyridinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-coumarin;

10 3-[cyclopropyl[3-[(2-benzimidazolylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-coumarin;

3-[cyclopropyl[3-[(2-quinolinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-coumarin;

N-(3-{Cyclopropyl-[7-(2-(2-(2-methoxyethoxy)-ethoxy)ethoxy)-4-hydroxycoumarin-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

15 N-(3-{Cyclopropyl-[7-methoxy-4-hydroxycoumarin-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

N-(3-{Cyclopropyl-[7-(2-(2-(2-methoxyethoxy)-ethoxy)ethoxy)-4-hydroxycoumarin-3-yl]-methyl}-phenyl)-8-quinolinesulfonamide;

20 N-(3-{Cyclopropyl-[7-(2-(2-(2-methoxyethoxy)-ethoxy)ethoxy)-4-hydroxycoumarin-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;

N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;

N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-4-cyano-2-pyridinesulfonamide;

25 N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-2-quinolinesulfonamide;

N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-2-hydroxybenzenesulfonamide;

30 N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-2-pyrazolesulfonamide;

N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-2-quinazolinesulfonamide;

N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-7H-purine-6-sulfonamide;

35 N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-1H-imidazole-2-

sulfonamide;

N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-benzimidazole-2-sulfonamide;

N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-thiazole-4-sulfonamide;

N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-4-ethoxycarbonyl-1H-imidazole-2-sulfonamide;

N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-3-hydroxy-2-pyridinesulfonamide;

5-cyano-N-[3-(1'-cyclopropylmethylphenyl)-4-hydroxycoumarin]-N-methyl-2-pyridinesulfonamide;

N-[3-(1'-cyclopropylmethylphenyl)-4-hydroxycoumarin]-N-methyl-2-quinolinesulfonamide;

N-[3-(1'-cyclopropylmethylphenyl)-4-hydroxycoumarin]-N-methyl-2-imidazolesulfonamide;

N-[3-(1'-cyclopropylmethylphenyl)-4-hydroxycoumarin]-N-methyl-2-pyrimidinesulfonamide;

N-[3-(1'-cyclopropylmethylphenyl)-4-hydroxycoumarin]-N-methyl-2-benzimidazolesulfonamide;

N-[3-(1'-cyclopropylmethylphenyl)-4-hydroxycoumarin]-N-methyl-2-quinazolinesulfonamide;

N-[3-(1'-cyclopropylmethylphenyl)-4-hydroxycoumarin]-N-methyl-6-purinesulfonamide;

N-[3-(1'-cyclopropylmethylphenyl)-4-hydroxycoumarin]-N-methyl-4-thiazolesulfonamide; and

N-[3-(1'-cyclopropylmethylphenyl)-4-hydroxycoumarin]-N-methyl-2-pyridinesulfonamide.

16. The compound of claim 1 wherein the salt is a bis-arginine, bis-sodium, bis-potassium or bis-calcium salt provided that the compound contains -NHSO_2^- , $\text{-SO}_3\text{H}$, -CONH- , -OH , or -COOH .

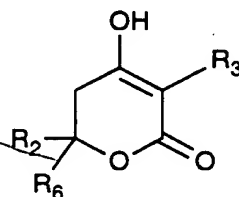
17. The compound of claim 16 wherein the salt is a bis-sodium salt.

18. The compound of claim 9 wherein the salt is a bis-arginine, bis-sodium, bis-

potassium or bis- calcium salt provided that the compound contains $\text{-NHSO}_2\text{-}$, -COOH , or -OH .

19. The compound of claim 18 wherein the salt is a bis-sodium salt.

20. The compound of claim 1 of the formula VI

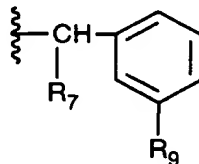


VI

wherein R_2 is

- a) $\text{H}_3\text{C-CH}_2\text{-}$,
- b) $\text{H}_3\text{C-(CH}_2)_2\text{-}$,
- c) cyclopropyl- $(\text{CH}_2)_2\text{-}$,
- d) F-phenyl- $(\text{CH}_2)_2\text{-}$,
- e) het- $\text{SO}_2\text{NH-phenyl-}$,
- f) $(\text{H}_3\text{C})_2\text{HC-CH}_2\text{-}$,
- g) phenyl- $(\text{CH}_2)_2\text{-}$, or
- h) $\text{F}_3\text{C-(CH}_2)_2\text{-}$

wherein R_3 is the moiety of formula X



X

wherein R_6 is

- a) $\text{H}_3\text{C-CH}_2\text{-}$,
- b) $\text{H}_3\text{C-(CH}_2)_2\text{-}$,
- c) cyclopropyl- $(\text{CH}_2)_2\text{-}$,
- d) F-phenyl- $(\text{CH}_2)_2\text{-}$,
- e) het- $\text{SO}_2\text{NH-phenyl-}$,
- f) $(\text{H}_3\text{C})_2\text{HC-CH}_2\text{-}$,
- g) phenyl- $(\text{CH}_2)_2\text{-}$, or
- h) $\text{F}_3\text{C-(CH}_2)_2\text{-}$

wherein R_7 is

- a) H_3C-CH_2- ,
- b) t-butyl, or
- c) cyclopropyl

5 wherein R_9 is

- a) $-NHSO_2$ -het, or
- b) $-NHSO_2$ -phenyl substituted by one (1) R_{11} ;

wherein het is the following, substituted by zero (0) or one (1) R_{10} ,

- a) imidazol-4-yl,
- 10 b) 2-pyridinyl, or
- c) quinolin-8-yl;

wherein R_{10} is,

- a) $-CH_3$,
- b) $-CN$,
- 15 c) $-CF_3$,
- d) $-NH_2$, or
- e) $-C(O)-NH_2$;

wherein R_{11} is CN .

20 21. The compound of claim 20 selected from the group consisting of:

N -[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-(4-fluorophenyl)ethyl)-2H-pyran-3-yl)propyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N -[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-(4-fluorophenyl)ethyl)-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide;

25 N -[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-(4-fluorophenyl)ethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N -[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-(4-fluorophenyl)ethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide;

30 N -[3-{1-[6,6-Bis-(2-cyclopropyl-ethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N -[3-{1-[6,6-Bis-(2-cyclopropyl-ethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl}phenyl]-5-cyano-2-pyridinesulfonamide;

N -[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

35 N -[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-

pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide;

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

5 N-[3-{1-(6-Ethyl-5,6-dihydro-4-hydroxy-6-[3-[(1-methyl-1H-imidazol-4-yl)sulfonyl]amino)phenyl]-2-2H-pyran-3-yl)propyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

5-Cyano-N-(3-[1-(6-[3-[(5-cyano-2-pyridinyl)sulfonyl]amino)phenyl]-6-ethyl-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl)propyl]phenyl)-2-pyridinesulfonamide;

10 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-5-cyanopyridine-2-sulfonamide;

N-[3-(1-[6,6-Bis-(2-cyclopropyl-ethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethyl-propyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-(1-[6,6-Bis-(2-cyclopropyl-ethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethyl-propyl)phenyl]-5-cyano-2-pyridinesulfonamide,

15 5-cyano-N-[3-(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R or S)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

5-cyano-N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

20 5-cyano-N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(S)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

5-cyano-N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(S)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

25 5-cyano-N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

N-[3-(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(R or S)-(2-phenethyl)-6-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

30 N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(R)-(2-phenethyl)-6-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(S)-(2-phenethyl)-6-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

35 N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(S)-(2-phenethyl)-6-(3,3,3-

trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

5 N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(R)-(2-phenethyl)-6-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

5-amino-N-[3-(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R or S)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

10 5-amino-N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

5-amino-N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(S)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

15 5-amino-N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

5-amino-N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(S)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

N-[3-(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R or S)-propyl]-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

20 N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R)-propyl]-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(S)-propyl]-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R)-propyl]-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

25 N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(S)-propyl]-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

5-Trifluoromethyl-N-[3-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,

30 5-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,

5-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,

5-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,

35 4-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-

- 5 dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
4-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
4-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
5 5-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
10 5-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-phenethyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-phenethyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
15 5-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-phenethyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
4-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-phenethyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
20 4-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-phenethyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
4-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-phenethyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
4-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
25 4-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
4-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
30 5-Trifluoromethyl-N-[3-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-phenethyl)-6(R or S)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
35 5-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-

- 6(R)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-
6(S)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-
5 6(R)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-
6(S)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
4-Trifluoromethyl-N-[3(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-
phenethyl)-6(R or S)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-
10 pyridinesulfonamide,
4-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-
6(R)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
4-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-
6(S)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
15 4-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-
6(R)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
4-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-
6(S)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-
20 phenethyl)-6(R or S)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridine sulfonamide,
5-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-
6(R)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-
6(S)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
25 5-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-
6(R)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-
6(S)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
30 5-Amino-N-[3-(1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-
pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Cyano-N-[3(R or S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-
phenylethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridine-
sulfonamide,
35 5-Cyano-N-[3(R)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenylethyl)-6-propyl-

- 2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Cyano-N-[3(R)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenylethyl)-6-propyl-
2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Cyano-N-[3(S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenylethyl)-6-propyl-
5 2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Cyano-N-[3(S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenylethyl)-6-propyl-
2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Cyano-N-[3-(1-[5,6-dihydro-6,6-diisobutyl-4-hydroxy-2-oxo-2H-pyran-3-
yl]propyl)phenyl]-2-pyridinesulfonamide,
10 N-[3-(1-[5,6-Dihydro-6,6-diisobutyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-
dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
5-Cyano-N-[3-(1-[5,6-dihydro-6,6-diisobutyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-
2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
N-[3(R or S)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(R or S)-[2-phenylethyl]-6-
15 propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-
sulfonamide,
N-[3(R)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(R)-[2-phenylethyl]-6-propyl-2H-
pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3(R)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(S)-[2-phenylethyl]-6-propyl-2H-
20 pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3(S)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(R)-[2-phenylethyl]-6-propyl-2H-
pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3(S)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(S)-[2-phenylethyl]-6-propyl-2H-
pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
25 5-Cyano-N-[3-(1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-
pyran-3-yl]cyclopropylmethyl)phenyl]-2-pyridinesulfonamide,
5-Amino-N-[3(R or S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-
phenylethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridine-
sulfonamide,
30 5-Amino-N-[3(R)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenylethyl)-6-
propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Amino-N-[3(S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenylethyl)-6-
propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Amino-N-[3(S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenylethyl)-6-propyl-
35 2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

5-Amino-N-[3(R)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

5-Amino-N-[3(R or S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl)phenyl]-2-pyridinesulfonamide,

5 5-Amino-N-[3(R)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl)phenyl]-2-pyridinesulfonamide,

5-Amino-N-[3(R)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl)phenyl]-2-pyridinesulfonamide,

10 5-Amino-N-[3(S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl)phenyl]-2-pyridinesulfonamide,

5-Amino-N-[3(S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl)phenyl]-2-pyridinesulfonamide,

15 5-Amino-N-[3(R or S)-(1-[6(R or S)-(2-[4-fluorophenyl]ethyl)-5,6-dihydro-4-hydroxy-2-oxo-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridine-sulfonamide,

5-Amino-N-[3(R)-(1-[6(R)-(2-[4-fluorophenyl]ethyl)-5,6-dihydro-4-hydroxy-2-oxo-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

5-Amino-N-[3(R)-(1-[6(S)-(2-[4-fluorophenyl]ethyl)-5,6-dihydro-4-hydroxy-2-oxo-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

20 5-Amino-N-[3(S)-(1-[6(R)-(2-[4-fluorophenyl]ethyl)-5,6-dihydro-4-hydroxy-2-oxo-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

5-Amino-N-[3(S)-(1-[6(S)-(2-[4-fluorophenyl]ethyl)-5,6-dihydro-4-hydroxy-2-oxo-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

25 N-[3(R or S)-(1-[5,6-Dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3(R)-(1-[5,6-Dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3(S)-(1-[5,6-Dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

30 5-Amino-N-[3(R or S)-(1-[5,6-dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

5-Amino-N-[3(R)-(1-[5,6-dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

35 5-Amino-N-[3(S)-(1-[5,6-dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

5-Cyano-N-[3(*R* or *S*)-(1-[5,6-dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

5-Cyano-N-[3(*R*)-(1-[5,6-dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

5 5-Cyano-N-[3(*S*)-(1-[5,6-dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

N-[3(*R* or *S*)-(1-[6,6-Bis(2-phenylethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

10 N-[3(*R*)-(1-[6,6-Bis(2-phenylethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3(*S*)-(1-[6,6-Bis(2-phenylethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3(*R* or *S*)-(1-[6,6-Bis(2-phenylethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-5-cyano-2-pyridinesulfonamide,

15 N-[3(*R*)-(1-[6,6-Bis(2-phenylethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-5-cyano-2-pyridinesulfonamide,

N-[3(*S*)-(1-[6,6-Bis(2-phenylethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-5-cyano-2-pyridinesulfonamide,

20 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-4-cyanobenzenesulfonamide,

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-8-quinolinesulfonamide,

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)propyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

25 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide,

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-carbamoylpyridine-2-sulfonamide,

30 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-(4-fluorophenyl)ethyl)-2H-pyran-3-yl)propyl}phenyl]-5-carbamoylpyridine-2-sulfonamide,

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl}phenyl]-5-carbamoylpyridine-2-sulfonamide,

N-[3-{1(*R* or *S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R* or *S*)-phenethyl-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide,

35 N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-phenethyl-6-propyl-2H-pyran-3-

- yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide,
5 N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(R or S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R or S)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
10 N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
15 N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
20 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(R or S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R or S)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-5-cyanopyridine-2-sulfonamide,
25 N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-5-cyanopyridine-2-sulfonamide,
30 N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(R or S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R or S)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
35

N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

5 N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

10 N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-{1(*R or S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-aminopyridine-2-sulfonamide,

15 N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-aminopyridine-2-sulfonamide,

N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-aminopyridine-2-sulfonamide,

20 N-[3-{1(*R or S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

25 N-[3-{1(*R or S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide,

N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide,

30 N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide,

N-[3-{1(*R or S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-propyl}phenyl]-5-cyanopyridine-2-sulfonamide,

N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-propyl}phenyl]-5-cyanopyridine-2-sulfonamide,

35 N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-

- propyl]phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(*R or S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-
propyl]phenyl]-5-aminopyridine-2-sulfonamide,
N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-
5 propyl]phenyl]-5-aminopyridine-2-sulfonamide,
N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-
propyl]phenyl]-5-aminopyridine-2-sulfonamide,
N-[3-{1(*R or S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R or S*)-(2-(4-
fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-
10 sulfonamide,
N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide,
15 N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(*R or S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R or S*)-(2-(4-
20 fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl]phenyl]-1-methyl-1H-imidazole-4-
sulfonamide,
N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-
25 propyl-2H-pyran-3-yl)propyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
30 N-[3-{1(*R or S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R or S*)-(2-(4-
fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl]phenyl]-5-aminopyridine-2-
sulfonamide,
N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl]phenyl]-5-aminopyridine-2-sulfonamide,
35 N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-

propyl-2H-pyran-3-yl)propyl]phenyl]-5-aminopyridine-2-sulfonamide,

N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl]phenyl]-5-aminopyridine-2-sulfonamide,

5 N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl]phenyl]-5-aminopyridine-2-sulfonamide,

N-[3-[1-(S)-[5,6-Dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

(3S,6R)-N-[3-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

10 (3S)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

(3R)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

15 (3R)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6-propyl-6-phenethyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

(3R,6S)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6-propyl-6-phenethyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

(3S,6S)-N-[3-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide.

20

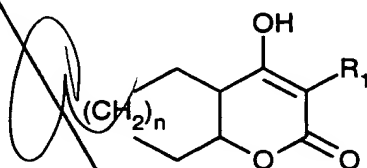
22. A compound selected from the group consisting of:

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)methyl]phenyl]-5-cyanopyridine-2-sulfonamide, and

25 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)methyl]phenyl]-5-aminopyridine-2-sulfonamide.

23. A compound of the formula XI

30



XI

wherein R_1 is $-(CH_2)_p-CH(R_2)-(CH_2)_o-Ar_1$;

35 wherein R_2 is

- a) $-C_1-C_5$ alkyl, or
b) $-(CH_2)_q$ -cycloalkyl;

wherein Ar_1 is

- a) phenyl substituted by zero (0) or one (1) R_3 , or
5 b) phenyl substituted by -meta- $NHSO_2Ar_2$;

wherein Ar_2 is

- a) phenyl substituted by zero (0) or one (1) R_3 , or
b) het;

wherein het is a 5-, 6- or 7-membered saturated or unsaturated ring containing from
10 one (1) to three (3) heteroatoms selected from the group consisting of nitrogen,
oxygen and sulfur; and including any bicyclic group in which any of the above
heterocyclic rings is fused to a benzene ring or another heterocycle; substituted by
zero (0) or one (1) R_4 ;

wherein R_3 is

- 15 a) $-CN$,
b) $-F$,
c) $-OH$, or
d) $-NO_2$;

wherein R_4 is

- 20 a) $-CH_3$,
b) $-CN$,
c) $-OH$,
d) $-C(O)OC_2H_5$,
e) $-CF_3$, or
25 f) $-NH_2$;

wherein n is zero (0) to eight (8), inclusive;

wherein o is zero (0) to three (3), inclusive;

wherein p is zero (0) to three (3), inclusive;

wherein q is zero (0) to three (3), inclusive; or

30 a pharmaceutically acceptable salt thereof.

24. The compound of claim 23

wherein R_1 is $-CH(R_2)-Ar_1$;

wherein R_2 is

- 35 a) $-CH_2-CH_3$, or

b) -t-butyl;

wherein Ar₁ is phenyl substituted by -meta-NHSO₂Ar₂;

wherein Ar₂ is 2-pyridinyl substituted by one (1) R₄;

wherein R₄ is

5 a) -CN, or

b) -CF₃;

wherein n is two (2) to four (4) inclusive.

25. The compound of claim 23 selected from the group consisting of

10 5-Cyano-N-[3-1-(4a,5,6,7,8,8a-hexahydro-4-hydroxy-2-oxo-2H-1-benzopyran-3-yl)propyl]phenyl]-2-pyridinesulfonamide

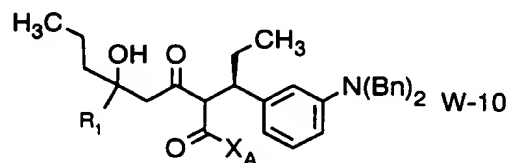
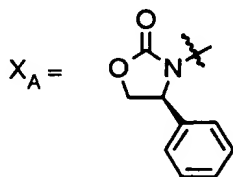
4-Cyano-N-[3-1-(4a,5,6,7,8,8a-hexahydro-4-hydroxy-2-oxo-2H-1-benzopyran-3-yl)propyl]phenyl]-benzenesulfonamide

15 5-Cyano-N-[3-[1-(2,4a,5,6,7,8,9,9a-octahydro-4-hydroxy-2-oxocyclohepta[b]pyran-3-yl)propyl]phenyl]-2-pyridinesulfonamide, and

5-Cyano-N-[3-[2,2-dimethyl-1-(4a,5,6,7,8,9,10,10a-octahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)propyl]phenyl]-2-pyridinesulfonamide.

26. A process for producing a compound of the formula W-10

20



25 wherein R₁ is

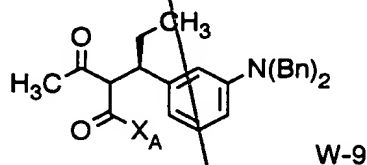
a) n-propyl, or

b) phenethyl;

which comprises the steps of:

a) treating a compound of the formula W-9

30



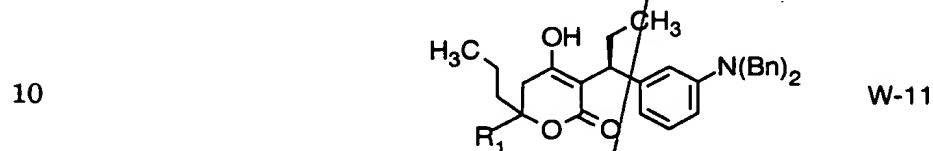
W-9

35 wherein X_A is as defined above, with TiCl₄;

- b) treating the product of step a) with an amine base; and
c) reacting the product of step b) with 4-heptanone or 1-phenyl-3-hexanone to yield the compound of formula W-10.

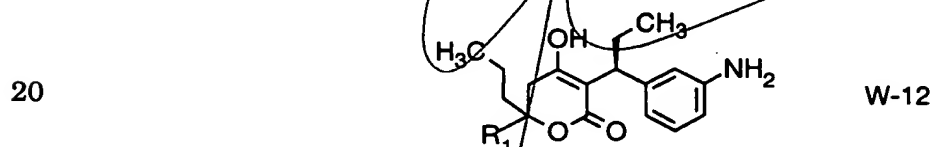
5 27. The process of claim 26 which further comprises the steps of:

- d) treating the compound of formula W-10 with sodium hydride or potassium t-butoxide to obtain a compound of formula W-11



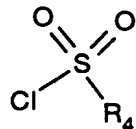
wherein R₁ is

- 15 a) n-propyl, or
b) phenethyl;
e) hydrogenating the compound of formula W-11 to obtain the compound of formula W-12



wherein R₁ is as defined above;

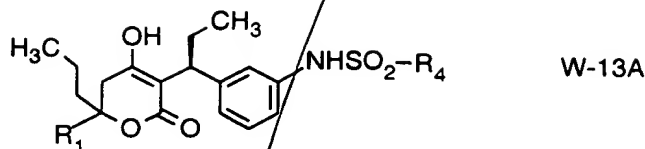
- 25 f) treating the compound of formula W-12 with a sulfonyl chloride of formula D-7



30 wherein R₄ is

- a) 5-trifluoromethyl-2-pyridinyl, or
b) 5-cyano-2-pyridinyl, in an organic solvent in the presence of an organic base to obtain a compound of the formula W-13A

35

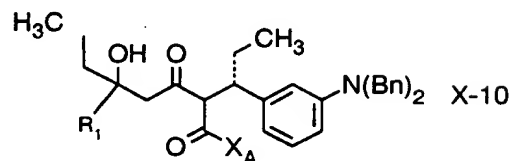
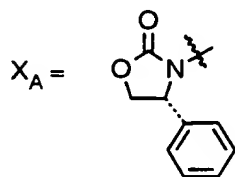


5

wherein R_1 is as defined above.

28. A process for producing a compound of the formula X-10

10



wherein R_1 is

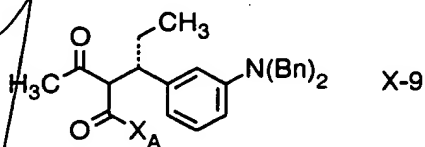
15

- a) n-propyl, or
- b) phenethyl;

which comprises the steps of:

- a) treating a compound of the formula X-9

20



wherein X_A is as defined above, with $TiCl_4$;

25

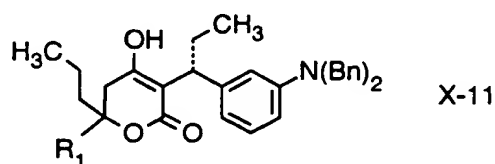
- b) treating the product of step a) with an amine base; and
- c) reacting the product of step b) with 4-heptanone or 1-phenyl-3-hexanone to yield the compound of formula X-10.

29. The process of claim 28 which further comprises the steps of:

30

- d) treating the compound of formula X-10 with sodium hydride or potassium t-butoxide to obtain a compound of formula X-11

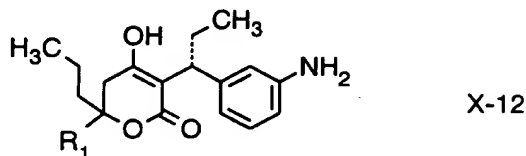
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wherein R_1 is

- a) n-propyl, or
- b) phenethyl;
- e) hydrogenating the compound of formula X-11 to obtain a compound of

5 formula X-12

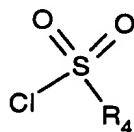


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wherein R_1 is as defined above;

- f) treating the compound of formula X-12 with a sulfonyl chloride of
- formula D-7

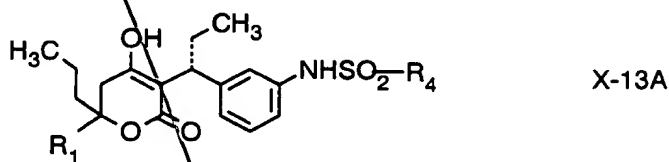
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wherein R_4 is

- a) 5-trifluoromethyl-2-pyridinyl, or
 - b) 5-cyano-2-pyridinyl, in an organic solvent in the presence of an organic
- base to obtain a compound of the formula X-13A

25

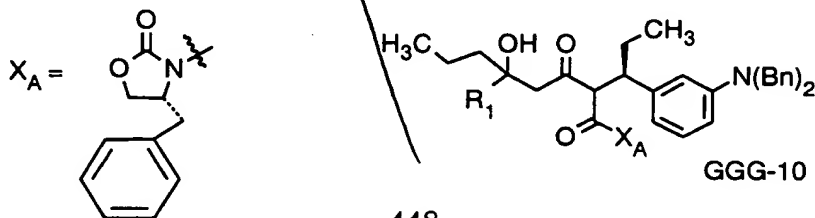


wherein R_1 is as defined above.

30

30. A process for producing a compound of the formula GGG-10

35

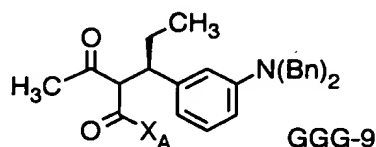


wherein R_1 is

- a) n-propyl, or
- b) phenethyl;

5 which comprises the steps of:

- a) treating a compound of the formula GGG-9



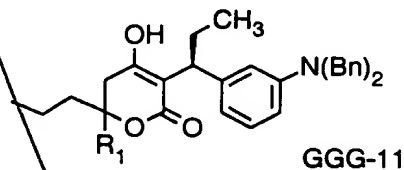
wherein X_A is as defined above, with $TiCl_4$;

- b) treating the product of step a) with an amine base; and
- c) reacting the product of step b) with 4-heptanone or 1-phenyl-3-

15 hexanone to yield the compound of formula GGG-10.

31. The process of claim 30 which further comprises the steps of:

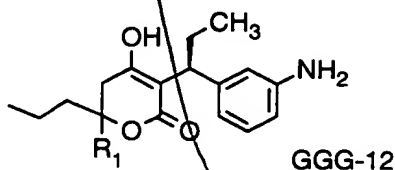
- d) treating the compound of formula GGG-10 with sodium hydride or potassium t-butoxide to obtain a compound of formula GGG-11



25 wherein R_1 is

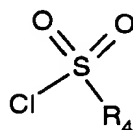
- a) n-propyl, or
- b) phenethyl;

e) hydrogenating the compound of formula GGG-11 to obtain a compound of formula GGG-12



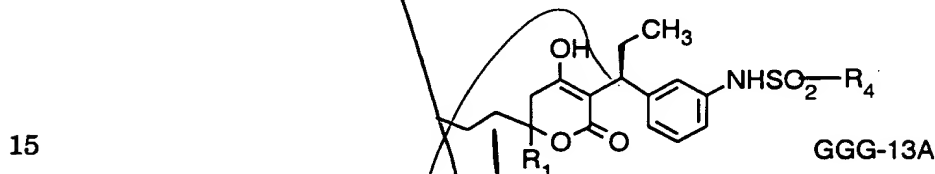
35 wherein R_1 is as defined above;

f) treating the compound of formula GGG-12 with a sulfonyl chloride of formula D-7



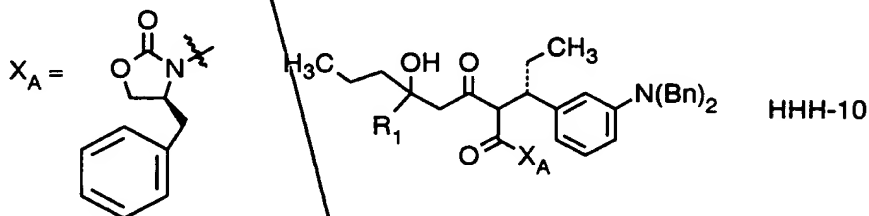
wherein R_4 is

- a) 5-trifluoromethyl-2-pyridinyl, or
- b) 5-cyano-2-pyridinyl, in an organic solvent in the presence of an organic base to obtain a compound of the formula GGG-13A



wherein R_1 is as defined above.

32. A process for producing a compound of the formula HHH-10

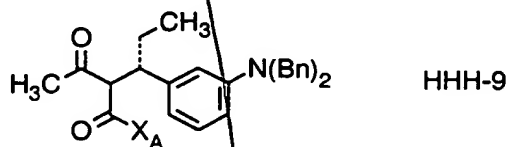


wherein R_1 is

- a) n-propyl, or
- b) phenethyl;

which comprises the steps of:

- a) treating a compound of the formula HHH-9

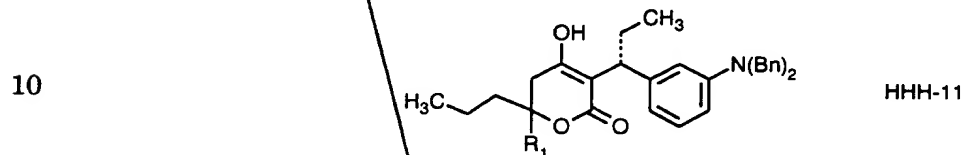


wherein X_A is as defined above, with $TiCl_4$;

- b) treating the product of step a) with an amine base; and
 c) reacting the product of step b) with 4-heptanone or 1-phenyl-3-hexanone to yield the compound of formula HHH-10.

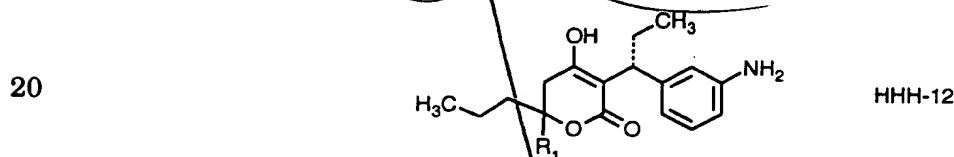
5 33. The process of claim 32 which further comprises the steps of:

- d) treating the compound of formula HHH-10 with sodium hydride or potassium t-butoxide to obtain a compound of formula HHH-11



wherein R₁ is

- a) n-propyl, or
 15 b) phenethyl;
 e) hydrogenating the compound of formula HHH-11 to obtain a compound of formula HHH-12

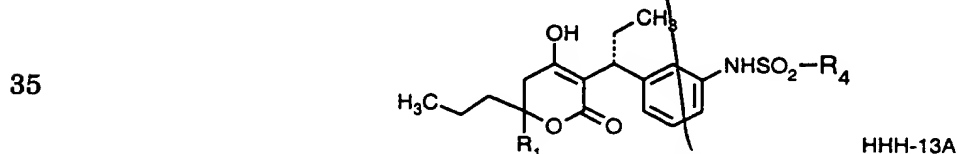


wherein R₁ is as defined above;

- f) treating the compound of formula HHH-12 with a sulfonyl chloride of
 25 formula D-7

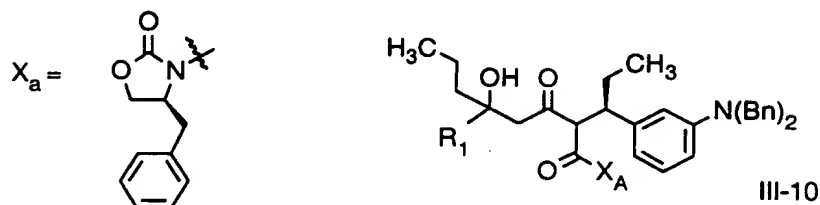
wherein R₄ is

- a) 5-trifluoromethyl-2-pyridinyl, or
 30 b) 5-cyano-2-pyridinyl, in an organic solvent in the presence of an organic base to obtain a compound of the formula HHH-13A



wherein R_1 is as defined above.

34. A process for producing a compound of the formula III-10

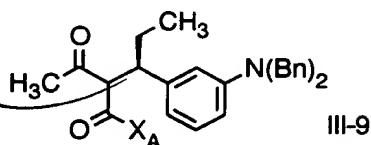


10 wherein R_1 is

- a) n-propyl, or
- b) phenethyl;

which comprises the steps of:

- 15 a) treating a compound of the formula III-9

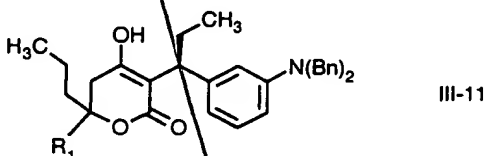


20 wherein X_A is as defined above, with $TiCl_4$;

- b) treating the product of step a) with an amine base; and
- c) reacting the product of step b) with 4-heptanone or 1-phenyl-3-hexanone to yield the compound of formula III-10.

25 35. The process of claim 34 which further comprises the steps of:

- d) treating the compound of formula III-10 with sodium hydride or potassium t-butoxide to obtain a compound of formula III-11

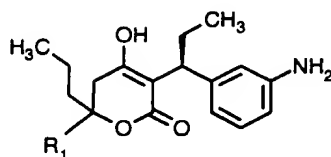


wherein R_1 is

- 35 a) n-propyl, or

- b) phenethyl;
 e) hydrogenating the compound of formula III-11 to obtain a compound of formula III-12

5

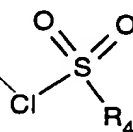


III-12

wherein R_1 is as defined above;

- f) treating the compound of formula III-12 with a sulfonyl chloride of formula D-7

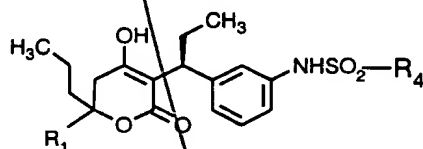
15



wherein R_4 is

- a) 5-trifluoromethyl-2-pyridinyl, or
 b) 5-cyano-2-pyridinyl, in an organic solvent in the presence of an organic base to obtain a compound of the formula III-13A

25

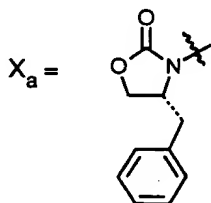


III-13A

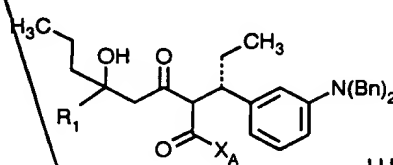
wherein R_1 is as defined above.

30

36. A process for producing a compound of the formula JJJ-10



$X_a =$



JJJ-10

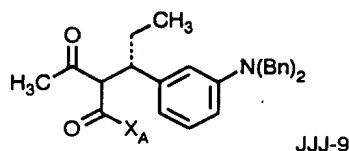
35

wherein R_1 is

- a) n-propyl, or
- b) phenethyl;

which comprises the steps of:

- 5 a) treating a compound of the formula JJJ-9



10

wherein X_A is as defined above, with $TiCl_4$;

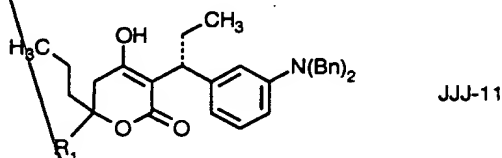
- b) treating the product of step a) with an amine base; and
- c) reacting the product of step b) with 4-heptanone or 1-phenyl-3-hexanone to yield the compound of formula JJJ-10.

15

37. The process of claim 36 which further comprises the steps of:

- d) treating the compound of formula JJJ-10 with sodium hydride or potassium t-butoxide to obtain a compound of formula JJJ-11

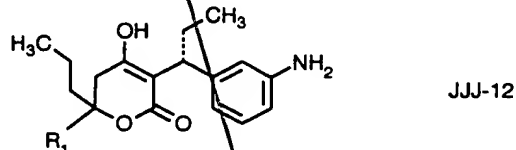
20



wherein R_1 is

- 25 a) n-propyl, or
- b) phenethyl;
- e) hydrogenating the compound of formula JJJ-11 to obtain a compound of formula JJJ-12

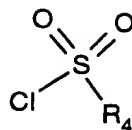
30



wherein R_1 is as defined above;

- 35 f) treating the compound of formula JJJ-12 with a sulfonyl chloride of

formula D-7



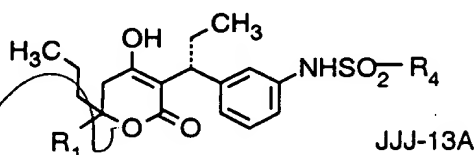
5

wherein R_4 is

a) 5-trifluoromethyl-2-pyridinyl, or

b) 5-cyano-2-pyridinyl, in an organic solvent in the presence of an organic

10 base to obtain a compound of the formula JJJ-13A



15

wherein R_1 is as defined above.

38. The compound of claim 20

20 wherein R_2 is

a) $\text{H}_3\text{C}-(\text{CH}_2)_2-$, or

b) phenyl- $(\text{CH}_2)_2-$;

wherein R_3 is the moiety of formula X;

wherein R_6 is

25 a) $\text{H}_3\text{C}-(\text{CH}_2)_2-$, or

b) phenyl- $(\text{CH}_2)_2-$;

wherein R_7 is

a) $\text{H}_3\text{C}-\text{CH}_2-$, or

b) t-butyl;

30 wherein R_9 is $-\text{NHSO}_2\text{-het}$;

wherein het is the following, substituted by one (1) R_{10} ,

a) imidazol-4-yl, or

b) 2-pyridinyl;

wherein R_{10} is,

35 a) $-\text{CH}_3$,

b) -CN, or

c) -CF₃.

39. The compound of claim 38 selected from the group consisting of:

5 5-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide;

5-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide; or (3R)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

10 5-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide; or (3S)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

15 5-Trifluoromethyl-N-[3(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-phenethyl)-6(R or S)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridine sulfonamide;

5-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-6(R)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide;

20 5-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-6(S)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide; or (3R,6S)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6-propyl-6-phenethyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

25 5-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-6(R)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide; or (3S,6R)-N-[3-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

30 5-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-6(S)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide; or (3S,6S)-N-[3-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

N-[3-[1-(S)-[5,6-Dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

(3R)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6-propyl-6-phenethyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide

35 N-[3(R or S)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(R or S)-[2-phenylethyl]-6-

propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3(R)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(R)-[2-phenylethyl]-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

5 N-[3(R)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(S)-[2-phenylethyl]-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3(S)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(R)-[2-phenylethyl]-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

10 N-[3(S)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(S)-[2-phenylethyl]-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3-{1(R or S)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-propyl}phenyl]-5-cyanopyridine-2-sulfonamide;

N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-propyl}phenyl]-5-cyanopyridine-2-sulfonamide;

15 N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-propyl}phenyl]-5-cyanopyridine-2-sulfonamide;

N-[3-{1(R or S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R or S)-phenethyl-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide;

20 N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-phenethyl-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide;

N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-phenethyl-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide;

N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-phenethyl-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide; and

25 N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-phenethyl-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide.